

Massachusetts All-Payer Claims Database: Preliminary Data Release: Data Accuracy

March 27, 2012



DIVISION OF
Health Care
Finance and Policy

Objectives for today's meeting

- Welcome and Introductions
- Recap of Preliminary Data Release Process
- Status Update from the Division
- Cross File Match Results on Preliminary Data
- Open Discussion

Recap of Preliminary Data Release

When will the data be available?

Late June/Early Summer

What is the time period of the data?

Years 2008, 2009, and 2010

Recap of Preliminary Data Release

What types of files will be available?

All Six APCD file types: (medical, dental, pharmacy claims, member eligibility, provider, and product)

There will be two tiers of extract files:

Public Use File: Contains de-identified member and utilization data elements and excludes payer identifiers

Restricted Use File: Contains certain data elements that will not be disclosed unless applicant fulfills certain additional requirements

Recap of Preliminary Data Release

Process:

- Application Required
- Public Comment Period
- Data Release Committee (DRC) - Broad stakeholder representation, including “health care plans, providers, and consumers”
- Data Release Criteria – public interest, applicant is qualified to undertake the study, data is required for the study, patient privacy will be protected

Recap of Preliminary Data Release

For more information:

- Health Care Claims Data Release Regulation (114.5 CMR 22.00) can be found at:
- <http://www.mass.gov/eohhs/researcher/physical-health/health-care-delivery/hcf-data-resources/apcd/user-resources.html>
- APCD Workgroup on Data Release Process (2/28/12) PowerPoint can be found at:
- <http://www.mass.gov/eohhs/researcher/physical-health/health-care-delivery/hcf-data-resources/apcd/>

Status Update from the Division

What's the status today?

- We're actively collecting data from over 75 submitters
- We're planning the release of preliminary APCD data
- We're contracting with a third party to assist with the development of additional data quality metrics
- We're evaluating RFR responses for the purchase of services to create a master member and master provider file to uniquely identify members and providers
- We're hiring additional team members

Status Update from the Division

What are the priorities related to data quality assurance?

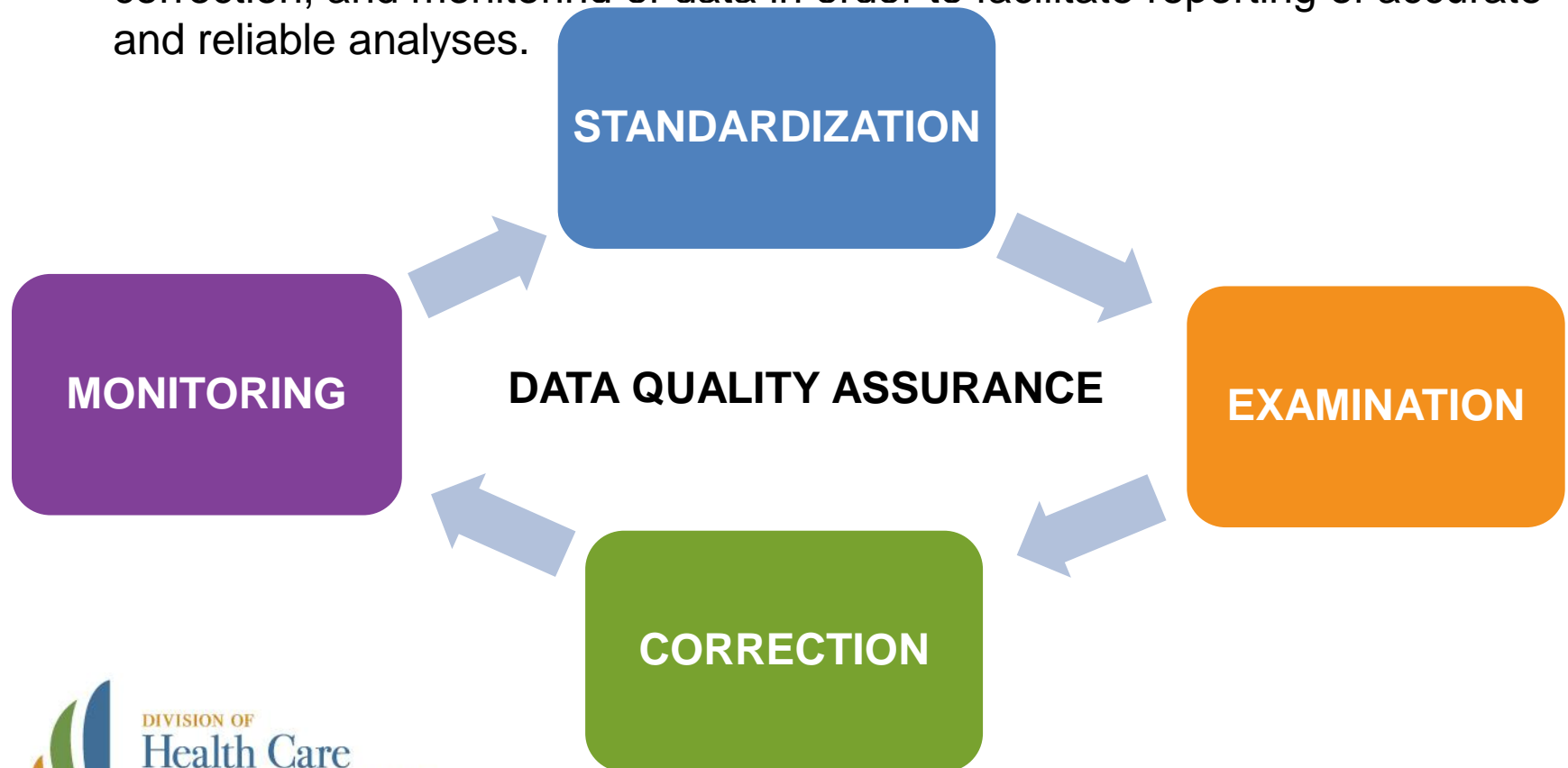
- Accuracy
- Completeness
- Creation of master member and master provider files to uniquely identify members and providers within carriers and across carriers
- Validation of the claims 'versioning' processes
- Referential Integrity

We continue to work within our data quality assurance framework to obtain and provide the best possible data available

Status Update from the Division

Data Quality Assurance Framework Presented in October 2011

- A process which utilizes various tools for standardization, examination, correction, and monitoring of data in order to facilitate reporting of accurate and reliable analyses.



Status Update from the Division

Setting expectations for the preliminary release:

- The data will be released before the creation of a Master Member and Master Provider file and, therefore, will not contain enhancements related to those files
- The Division is currently working with the submitters to validate the claims versioning process including the use of former claim number and will share the results at the time of release.
- The Division is currently assessing the referential integrity of the data but does not plan to change the preliminary data based on the assessment.

What Percentage of 2010 Medical Claim Lines Match 2010 Eligibility Records? (Sample)

Organization Name	Matched Total	Grand Total	Percent Matched
Aetna Life Insurance Company - Strategic Resource Company	6,873	6,873	100.00
CIGNA HealthCare of Massachusetts, Inc. - Medical	2,080	2,080	100.00
Guarantee Trust Life Insurance Company	45	45	100.00
Tufts Health Plan	27,006,669	27,013,064	99.98
Aetna Life Insurance Company - Aetna Student Health	154,913	155,044	99.92
United Healthcare Insurance Company - Ovations Insurance Solutions	1,205,357	1,206,792	99.88
Blue Cross Blue Shield of Massachusetts	26,706,440	26,751,083	99.83
Boston Medical Center HealthNet Plan	8,595,677	8,613,515	99.79
Harvard Pilgrim Health Care	20,365,093	20,436,031	99.65
Network Health	4,663,590	4,680,725	99.63
Great-West Life & Annuity Insurance Company - FAC	2,147	2,167	99.08
The MEGA Life and Health Insurance Company	43,451	43,910	98.95
United Healthcare Student Resources	11,967	12,129	98.66
Mid-West National Life Insurance Company of Tennessee	116,635	118,511	98.42
Connecticut General Life Insurance Company - Medical	4,300,632	4,373,754	98.33
Connecticut General Life Insurance Company - FAC	73,603	75,060	98.06
Celticare of Massachusetts	604,453	622,645	97.08
Zenith Administrators, Inc.	53,944	59,031	91.38
Horizon Blue Cross and Blue Shield of NJ	298,592	332,106	89.91
Neighborhood Health Plan	6,405,598	7,364,678	86.98
Aetna Life Insurance Company	3,341,909	3,917,281	85.31
United Healthcare of New England, Inc.	44,893	55,618	80.72
Aetna Health, Inc. - Aetna Health Insurance Company HMO and POS Business on the Automated Claims Adjudication System (ACAS)	9,222	11,585	79.60
United Healthcare Insurance Company	1,817,475	2,500,448	72.69
United Healthcare Insurance Company - Harvard Pilgrim Health Care Joint Venture	847,754	1,419,498	59.72
ConnectiCare of Massachusetts, Inc.	109,206	201,273	54.26
EBS-RMSCO, Inc.	2,316	5,005	46.27
CIGNA Health and Life Insurance Company (CHLIC)	11,370	24,984	45.51

What Percentage of 2010 Pharmacy Claim Lines Match 2010 Eligibility Records? (Sample)

Organization Name	Matched Total	Grand Total	Percent Matched
Network Health	1,782,201	1,784,068	99.90
Aetna Health Inc. (PA) - Aetna Health Ins. Co.	49,392	49,444	99.89
Pennsylvania Life Insurance Company	500,997	501,641	99.87
Blue Cross Blue Shield of Massachusetts	8,470,076	8,487,870	99.79
Great-West Life & Annuity Insurance Company - FAC	664	669	99.25
MedImpact Healthcare Systems, Inc.	11,199,763	11,314,608	98.98
United Healthcare Student Resources	4,367	4,417	98.87
Connecticut General Life Insurance Company - FAC	29,022	29,383	98.77
Horizon Blue Cross and Blue Shield of NJ	41,777	42,570	98.14
Medco Containment Life Insurance Company	507,036	517,636	97.95
RxSolutions, Inc., d/b/a Prescription Solutions	4,711	4,812	97.90
Medco Health Services	3,818,476	3,918,298	97.45
Innoviant	396,556	408,803	97.00
CVS Caremark	28,147,790	29,934,450	94.03
Aetna Health, Inc. - Aetna Health Insurance Company HMO and POS Business on the Automated Claims Adjudication System (ACAS)	3,816	4,084	93.44
Neighborhood Health Plan	2,102,503	2,379,321	88.37
United Healthcare Insurance Company - Harvard Pilgrim Health Care Joint Venture	213,867	242,801	88.08
United Healthcare Insurance Company	476,672	556,672	85.63
Aetna Life Insurance Company	523,171	639,505	81.81
United Healthcare of New England, Inc.	27,884	34,652	80.47
Envision Pharmaceutical Services, Inc.	80,122	129,704	61.77
CIGNA Health and Life Insurance Company (CHLIC)	3,520	7,124	49.41
Connecticut General Life Insurance Company - Medical	287,347	927,636	30.98

What Percentage of 2010 Dental Claim Lines Match 2010 Eligibility Records? (Sample)

Organization Name	Matched Total	Grand Total	Percent Match
Aetna Life Insurance Company - Strategic Resource Company	1,465	1,465	100.00
Dentegra Insurance Company of New England	10,389	10,389	100.00
Fort Dearborn Life Insurance Company - Dental Network of America, LLC	1,323	1,323	100.00
Great-West Life & Annuity Insurance Company - FAC	105	105	100.00
The MEGA Life and Health Insurance Company	2,177	2,177	100.00
United Healthcare of New England, Inc.	32	32	100.00
Boston Medical Center HealthNet Plan	76,754	76,772	99.98
Sun Life Financial	77,123	77,189	99.91
Mid-West National Life Insurance Company of Tennessee	2,967	2,972	99.83
New England Dental Administrators	21,650	21,703	99.76
Connecticut General Life Insurance Company - FAC	5,800	5,850	99.15
Altus Dental Insurance Company, Inc.	395,244	400,183	98.77
The Lincoln National Life Insurance Company	18,285	18,907	96.71
Connecticut General Life Insurance Company - Dental	391,639	421,535	92.91
Metropolitan Life Insurance Company	2,132,920	2,309,278	92.36
Delta Dental Plan of Michigan, Inc.	22,938	24,875	92.21
United Concordia Companies, Inc.	60,973	66,302	91.96
Renaissance Life & Health Insurance Company of America	1,749	1,931	90.57
Aetna Life Insurance Company	207,023	230,229	89.92
United Healthcare Insurance Company	1,651	2,006	82.30
Neighborhood Health Plan	46,185	60,713	76.07
Horizon Blue Cross and Blue Shield of NJ	44	69	63.77
United Healthcare Insurance Company - Harvard Pilgrim Health Care Joint Venture	1,322	2,073	63.77
Guardian Life Insurance Company of America	308,840	521,661	59.20
Blue Cross Blue Shield of Massachusetts	628,616	1,221,302	51.47
EBS-RMSCO, Inc.	1,323	3,228	40.99
CIGNA Health and Life Insurance Company (CHLIC)	106	764	13.87

What Percentage of 2010 Claim Lines Match 2010 Eligibility Records?

The claims lines were matched with eligibility records based on the following rules:

- Payer ID must match
- Carrier-Specific Unique Member ID must match
- Eligibility Begin and End dates must be within the year
- To and From Dates of Service must be within the year

This is a preliminary match assessment. The Division is also matching claims to eligibility using additional attributes of each member.

What Percentage of 2010 Claim Lines Match 2010 Eligibility Records?

What are possible reasons for a false positive match?

- The carrier specific unique member id matches, but the demographics of the member don't match
- The carrier-specific unique member id is not uniquely assigned by the carrier (Subscriber Id is assigned to ALL members of the family)

What are possible reasons for a false negative match?

- The eligibility begin and end dates are incorrect and, therefore, the claim lines do not match the eligibility record

What Percentage of 2010 Eligibility Records Match 2010 Product Records? (Sample)

OrgName	Matched Total	Grand Total	Percent Matched
United Healthcare Insurance Company - Harvard Pilgrim Health Care Joint Venture	74,983	74,983	100.00
United Healthcare Student Resources	7,688	7,688	100.00
Connecticut General Life Insurance Company - Medical	251,679	251,705	99.99
Medco Health Services	703,782	703,824	99.99
Health New England, Inc.	125,304	125,338	99.97
Altus Dental Insurance Company, Inc.	1,507,999	1,509,464	99.90
Connecticut General Life Insurance Company - FAC	13,504	13,586	99.40
Humana Dental Insurance Company	15,313	15,800	96.92
CVS Caremark	2,138,070	2,212,636	96.63
United Healthcare Insurance Company - Medicare Advantage	1,985,319	2,062,820	96.24
Humana Insurance Company	10,376	10,917	95.04
United Healthcare Insurance Company	159,672	168,197	94.93
CIGNA Behavioral Health, Inc.	36,522	40,180	90.90
Nationwide Life Insurance Company	130,270	147,599	88.26
Guarantee Trust Life Insurance Company	1,002	1,163	86.16
Fallon Community Health Plan	174,582	210,527	82.93
Great-West Life & Annuity Insurance Company - FAC	447	599	74.62
United Healthcare Insurance Company - Ovations Insurance Solutions	33,329	46,304	71.98
Ameritas Life Insurance Corporation	8,915	15,261	58.42
Zenith Administrators, Inc.	1,635	3,451	47.38
United Healthcare of New England, Inc.	678	2,826	23.99
CIGNA Health and Life Insurance Company (CHLIC)	357	1,556	22.94
Combined Insurance Company of America	3,359	15,692	21.41

What Percentage of 2010 Eligibility Records Match 2010 Product Records?

The eligibility records were matched with the product records based on the following rules:

- Payer ID must match
- Product ID must match
- Eligibility Begin and End Dates must be within the year
- Product Begin and End Dates must be within the year

What Percentage of 2010 Eligibility Records Match 2010 Product Records?

What are possible reasons for a false positive match?

- The Product id matches, but the attributes of the benefit plan do not match
- The product id is not uniquely assigned by the carrier

What are possible reasons for a false negative match?

- The product begin and end dates are incorrect and, therefore, the eligibility records do not match the related product record
- Product id in product file has a different format in the eligibility file

Session Wrap Up

Group Discussion / Questions?

(The Division will present more results next month)

For more information:

Upcoming Schedule	
APCD Technical Assistance Group (TAG) Webinar 2 nd Tuesday of each month	Next meeting on April 10th
APCD Workgroup 4 th Tuesday of each month	Next meeting on April 24th

- Send questions and feedback to dhcfp.apcd@state.ma.us
- For more information, including important updates and events, please visit: www.mass.gov/dhcfp/apcd